

CLAIM:

1 1. In an exhaust system of an automotive vehicle, the
2 combination comprising:

3 a collector pipe having an input end including a
4 plurality of apertures spaced one apart from another, and an
5 output end;

6 a plurality of pipes coupled from the head of an
7 internal combustion engine to a respective one of said plurality
8 of apertures of said collector pipe at said input end;

9 an exhaust pipe coupled to said output end of said
10 collector pipe;

11 with each of said plurality of pipes and said exhaust
12 pipe being composed of a plurality of pipe segments, individual
13 ones of which being of preselected length, and cut at their
14 respective ends at preselected angles, for joining together in
15 orientation to traverse component parts of said automotive
16 vehicle engine, its rear housing, steering system and control
17 installations;

18 and with at least one of said exhaust pipe and each of
19 said plurality of pipes having an outer diameter less than an
20 inner diameter of a further pipe additionally included to
21 surround and contain same.

1 2. The combination of Claim 1 wherein said further
2 surrounding pipe is centered about each of said plurality of

3 pipe segments forming said exhaust pipe or said plurality of
4 engine coupled pipes.

1 3. The combination of Claim 2 wherein said exhaust pipe
2 segments are of a substantially 3" outer diameter and wherein
3 said further surrounding pipe is of a substantially 4" inner
4 diameter.

1 4. The combination of Claim 2 wherein each of said
2 plurality of engine coupled pipes are of a substantially 2"
3 outer diameter and wherein said further surrounding pipe is of a
4 substantially 2-1/2" inner diameter.

1 5. The combination of Claim 1 wherein said further
2 surrounding pipe is composed of a plurality of pipe segments,
3 individual ones of which being of preselected length and cut at
4 their respective ends at preselected angles for joining together
5 in orientation to surround said individual pipe segments of said
6 contained exhaust pipe or said individual pipe segments of each
7 of said contained plurality of engine coupled pipes.

1 6. The combination of Claim 5 wherein said contained pipe
2 is composed of a plurality of pipe segments, individual ones of
3 which are apertured along the lateral lengths thereof in being
4 surrounded by said further pipe.

1 7. The combination of Claim 5 wherein said contained pipe
2 is composed of a plurality of pipe segments, each of which is
3 apertured along the lateral lengths thereof in being surrounded
4 by said further pipe.

1 8. The combination of Claim 5, further including a steel
2 wool wrapping around individual ones of said contained pipe
3 segments, about the individual apertures thereof.

1 9. The combination of Claim 5, further including a steel
2 wool wrapping around each of said contained pipe segments, about
3 the individual apertures thereof.

1 10. The combination of Claim 1 wherein only said exhaust
2 pipe includes a further surrounding pipe.

1 11. The combination of Claim 10 wherein said further
2 surrounding pipe is composed of a plurality of pipe segments,
3 individual ones of which being of preselected length and cut at
4 their respective ends at preselected angles, for joining
5 together in orientation to contain said individual pipe segments
6 of said exhaust pipe.

1 12. The combination of Claim 11 wherein said contained
2 exhaust pipe is composed of a plurality of pipe segments,
3 individual ones of which are apertured along the lateral lengths

4 thereof.

1 13. The combination of Claim 12, further including a steel
2 wool wrapping around individual ones of said contained pipe
3 segments, about the individual apertures thereof.

1 14. The combination of Claim 12 wherein each of said
2 plurality of contained pipe segments is substantially centered
3 within the respective pipe segment of said further pipe which
4 surrounds it.

1 15. The combination of Claim 1 wherein only each of said
2 plurality of engine coupled pipes include a further surrounding
3 pipe.

1 16. The combination of Claim 15 wherein said further
2 surrounding pipe is composed of a plurality of pipe segments,
3 individual ones of which being of preselected length and cut at
4 their respective ends at preselected angles, for joining
5 together in orientation to contain said individual pipe segments
6 of each of said plurality of engine coupled pipes.

1 17. The combination of Claim 16 wherein said contained pipe
2 is composed of a plurality of pipe segments, individual ones of
3 which are apertured along the lateral lengths thereof.

1 18. The combination of Claim 17, further including a steel
2 wool wrapping around each of said contained pipe segments, about
3 the individual apertures thereof.

1 19. The combination of Claim 17 wherein each of said
2 plurality of contained pipe segments is substantially centered
3 within the respective pipe segment of said further pipe which
4 surrounds it.